

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/106311 A1

(51) International Patent Classification: B65G 59/00

(21) International Application Number: PCT/US03/18888

(22) International Filing Date: 13 June 2003 (13.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/388,620 13 June 2002 (13.06.2002) US
60/419,168 16 October 2002 (16.10.2002) US

(71) Applicants and

(72) Inventors: **CHIRNOMAS, Munroe** [US/US]; 47 Skyline Drive, Morris Township, NJ 07960 (US). **GEIGERICH, David, k.** [US/US]; 540 Westwood Avenue, River Vale, NJ 07675 (US). **Leski, Raymond, B.** [US/US]; 1082 June Court, Toms River, NJ 08753 (US).

(74) Agent: **EDELMAN, Lawrence**; Fastcorp, One Cory Road, Morris Township, NJ 07960 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

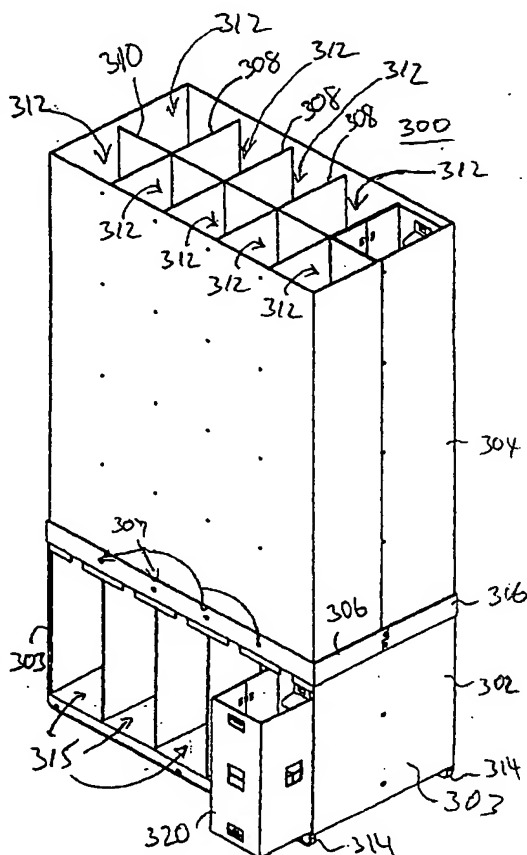
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: ARTICLE STORAGE MAGAZINE FOR AN ARTICLE HANDLING DEVICE



(57) Abstract: An article handling apparatus having an article storage area (215) includes a movable storage structure (219). The movable storage structure (219) has a bin segment guidance structure to form a plurality of axially aligned article storage columns (216). The guidance structure includes a receiving device providing individual coupling to article storage bin segments (1202) so as to allow grouping of bin segments into the plurality of aligned article storage columns.